OIPE

RAW SEQUENCE LISTING            DATE: 01/17/2002
PATENT APPLICATION:  US/10/032,990      TIME: 15:34:31

Input Set : A:\Seq__Listing_-_P2930R1C11.wpd
Output Set: N:\CRF3\01172002\J032990.raw

**Does Not Comply**
**Corrected Diskette Needed**

```
 3 <110> APPLICANT: Botstein,David
 4         Desnoyers,Luc
 5         Ferrara,Napoleone
 6         Fong,Sherman
 7         Gao,Wei-Qiang
 8         Goddard,Audrey
 9         Gurney,Austin L.
10         Pan,James
11         Roy,Margaret Ann
12         Stewart,Timothy A.
13         Tumas,Daniel
14         Watanabe,Colin K.
15         Wood,William I.
17 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
18         Acids Encoding the Same
20 <130> FILE REFERENCE: P2930R1C11
C--> 22 <140> CURRENT APPLICATION NUMBER: US/10/032,990
C--> 22 <141> CURRENT FILING DATE: 2001-12-27
22 <150> PRIOR APPLICATION NUMBER: 60/095,325
23 <151> PRIOR FILING DATE: 1998-08-04
25 <150> PRIOR APPLICATION NUMBER: 60/112,851
26 <151> PRIOR FILING DATE: 1998-12-16
28 <150> PRIOR APPLICATION NUMBER: 60/113,145
29 <151> PRIOR FILING DATE: 1998-12-16
31 <150> PRIOR APPLICATION NUMBER: 60/113,511
32 <151> PRIOR FILING DATE: 1998-12-22
34 <150> PRIOR APPLICATION NUMBER: 60/115,558
35 <151> PRIOR FILING DATE: 1999-01-12
37 <150> PRIOR APPLICATION NUMBER: 60/115,565
38 <151> PRIOR FILING DATE: 1999-01-12
40 <150> PRIOR APPLICATION NUMBER: 60/115,733
41 <151> PRIOR FILING DATE: 1999-01-12
43 <150> PRIOR APPLICATION NUMBER: 60/119,341
44 <151> PRIOR FILING DATE: 1999-02-09
46 <150> PRIOR APPLICATION NUMBER: 60/119,537
47 <151> PRIOR FILING DATE: 1999-02-10
49 <150> PRIOR APPLICATION NUMBER: 60/119,965
50 <151> PRIOR FILING DATE: 1999-02-12
52 <150> PRIOR APPLICATION NUMBER: 60/162,506
53 <151> PRIOR FILING DATE: 1999-10-29
55 <150> PRIOR APPLICATION NUMBER: 60/170,262
56 <151> PRIOR FILING DATE: 1999-12-09
58 <150> PRIOR APPLICATION NUMBER: 60/187,202
```

RAW SEQUENCE LISTING          DATE: 01/17/2002
PATENT APPLICATION: US/10/032,990     TIME: 15:34:31

Input Set : A:\Seq__Listing_-_P2930R1C11.wpd
Output Set: N:\CRF3\01172002\J032990.raw

```
        59 <151> PRIOR FILING DATE: 2000-03-03
        61 <150> PRIOR APPLICATION NUMBER: PCT/US99/12252
        62 <151> PRIOR FILING DATE: 1999-06-02
        64 <150> PRIOR APPLICATION NUMBER: PCT/US99/28634
        65 <151> PRIOR FILING DATE: 1999-12-01
        67 <150> PRIOR APPLICATION NUMBER: PCT/US99/28551
        68 <151> PRIOR FILING DATE: 1999-12-02
        70 <150> PRIOR APPLICATION NUMBER: PCT/US00/03565
        71 <151> PRIOR FILING DATE: 2000-02-11
        73 <150> PRIOR APPLICATION NUMBER: PCT/US00/04414
        74 <151> PRIOR FILING DATE: 2000-02-22
        76 <150> PRIOR APPLICATION NUMBER: PCT/US00/05841
W-->    77 <151> PRIOR FILING DATE: 2000-03-02   delete space
        79 <150> PRIOR APPLICATION NUMBER: PCT/US00/08439
        80 <151> PRIOR FILING DATE: 2000-03-30
        82 <150> PRIOR APPLICATION NUMBER: PCT/US00/14941
        83 <151> PRIOR FILING DATE: 2000-05-30
        85 <150> PRIOR APPLICATION NUMBER: PCT/US00/15264
        86 <151> PRIOR FILING DATE: 2000-06-02
        88 <150> PRIOR APPLICATION NUMBER: PCT/US00/32678
<150>   89 <151> PRIOR FILING DATE: 2000-12-01
W-->    92 <140> CURRENT APPLICATION NUMBER: US 09/866,034
C-->    93 <141> CURRENT FILING DATE: 2001-05-25
<151>   95 <160> NUMBER OF SEQ ID NOS: 38
        97 <210> SEQ ID NO: 1
        98 <211> LENGTH: 1283
        99 <212> TYPE: DNA
       100 <213> ORGANISM: Homo sapiens
       102 <400> SEQUENCE: 1
       103 cggacgcgtg ggacccatac ttgctggtct gatccatgca caaggcgggg 50
       105 ctgctaggcc tctgtgcccg ggcttggaat tcggtgcgga tggccagctc 100
       107 cgggatgacc cgccgggacc cgctcgcaaa taaggtggcc ctggtaacgg 150
       109 cctccaccga cgggatcggc ttcgccatcg cccggcgttt ggcccaggac 200
       111 ggggcccatg tggtcgtcag cagccggaag cagcagaatg tggaccaggc 250
       113 ggtggccacg ctgcaggggg aggggctgag cgtgacgggc accgtgtgcc 300
       115 atgtggggaa ggcggaggac cgggagcggc tggtggccac ggctgtgaag 350
       117 cttcatggag gtatcgatat cctagtctcc aatgctgctg tcaacccttt 400
       119 ctttggaagc ataatggatg tcactgagga ggtgtgggac aagactctgg 450
       121 acattaatgt gaaggcccca gccctgatga caaaggcagt ggtgccagaa 500
       123 atggagaaac gaggaggcgg ctcagtggtg atcgtgtctt ccatagcagc 550
       125 cttcagtcca tctcctggct tcagtcctta caatgtcagt aaaacagcct 600
       127 tgctgggcct gaccaagacc ctggccatag agctggcccc aaggaacatt 650
       129 agggtgaact gcctagcacc tggacttatc aagactagct tcagcaggat 700
       131 gctctggatg gacaaggaaa aagaggaaag catgaaagaa accctgcgga 750
       133 taagaaggtt aggcgagcca gaggattgtg ctggcatcgt gtctttcctg 800
       135 tgctctgaag atgccagcta catcactggg gaaacagtgg tggtgggtgg 850
       137 aggaaccccg tcccgcctct gaggaccggg agacagccca caggccagag 900
       139 ttgggctcta gctcctggtg ctgttcctgc attcacccac tggcctttcc 950
       141 cacctctgct caccttactg ttcacctcat caaatcagtt ctgccctgtg 1000
```

RAW SEQUENCE LISTING                    DATE: 01/17/2002
PATENT APPLICATION: US/10/032,990       TIME: 15:34:31

Input Set : A:\Seq__Listing_-_P2930R1C11.wpd
Output Set: N:\CRF3\01172002\J032990.raw

```
143  aaaagatcca gccttccctg ccgtcaaggt ggcgtcttac tcgggattcc 1050
145  tgctgttgtt gtggccttgg gtaaaggcct cccctgagaa cacaggacag 1100
147  gcctgctgac aaggctgagt ctaccttggc aaagaccaag atattttttc 1150
149  ctgggccact ggtgaatctg aggggtgatg ggagagaagg aacctggagt 1200
151  ggaaggagca gagttgcaaa ttaacagctt gcaaatgagg tgcaaataaa 1250
153  atgcagatga ttgcgcggct ttgaaaaaaa aaa 1283
155  <210> SEQ ID NO: 2
156  <211> LENGTH: 278
157  <212> TYPE: PRT
158  <213> ORGANISM: Homo sapiens
160  <400> SEQUENCE: 2
161  Met His Lys Ala Gly Leu Leu Gly Leu Cys Ala Arg Ala Trp Asn
162   1               5                  10                  15
164  Ser Val Arg Met Ala Ser Ser Gly Met Thr Arg Arg Asp Pro Leu
165                  20                  25                  30
167  Ala Asn Lys Val Ala Leu Val Thr Ala Ser Thr Asp Gly Ile Gly
168                  35                  40                  45
170  Phe Ala Ile Ala Arg Arg Leu Ala Gln Asp Gly Ala His Val Val
171                  50                  55                  60
173  Val Ser Ser Arg Lys Gln Gln Asn Val Asp Gln Ala Val Ala Thr
174                  65                  70                  75
176  Leu Gln Gly Glu Gly Leu Ser Val Thr Gly Thr Val Cys His Val
177                  80                  85                  90
179  Gly Lys Ala Glu Asp Arg Glu Arg Leu Val Ala Thr Ala Val Lys
180                  95                  100                 105
182  Leu His Gly Gly Ile Asp Ile Leu Val Ser Asn Ala Ala Val Asn
183                  110                 115                 120
185  Pro Phe Phe Gly Ser Ile Met Asp Val Thr Glu Glu Val Trp Asp
186                  125                 130                 135
188  Lys Thr Leu Asp Ile Asn Val Lys Ala Pro Ala Leu Met Thr Lys
189                  140                 145                 150
191  Ala Val Val Pro Glu Met Glu Lys Arg Gly Gly Gly Ser Val Val
192                  155                 160                 165
194  Ile Val Ser Ser Ile Ala Ala Phe Ser Pro Ser Pro Gly Phe Ser
195                  170                 175                 180
197  Pro Tyr Asn Val Ser Lys Thr Ala Leu Leu Gly Leu Thr Lys Thr
198                  185                 190                 195
200  Leu Ala Ile Glu Leu Ala Pro Arg Asn Ile Arg Val Asn Cys Leu
201                  200                 205                 210
203  Ala Pro Gly Leu Ile Lys Thr Ser Phe Ser Arg Met Leu Trp Met
204                  215             .       220                 225
206  Asp Lys Glu Lys Glu Glu Ser Met Lys Glu Thr Leu Arg Ile Arg
207                  230                 235                 240
209  Arg Leu Gly Glu Pro Glu Asp Cys Ala Gly Ile Val Ser Phe Leu
210                  245                 250                 255
212  Cys Ser Glu Asp Ala Ser Tyr Ile Thr Gly Glu Thr Val Val Val
213                  260                 265                 270
215  Gly Gly Gly Thr Pro Ser Arg Leu
216                  275
```

RAW SEQUENCE LISTING                    DATE: 01/17/2002
PATENT APPLICATION:  US/10/032,990      TIME: 15:34:31

Input Set : A:\Seq__Listing_-_P2930R1C11.wpd
Output Set: N:\CRF3\01172002\J032990.raw

```
218 <210> SEQ ID NO: 3
219 <211> LENGTH: 21
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
226 <400> SEQUENCE: 3
227  gcataatgga tgtcactgag g 21
229 <210> SEQ ID NO: 4
230 <211> LENGTH: 23
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
237 <400> SEQUENCE: 4
238  agaacaatcc tgctgaaagc tag 23
240 <210> SEQ ID NO: 5
241 <211> LENGTH: 46
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Synthetic Oligonucleotide Probe
248 <400> SEQUENCE: 5
249  gaaacgagga ggcggctcag tggtgatcgt gtcttccata gcagcc 46
251 <210> SEQ ID NO: 6
252 <211> LENGTH: 3121
253 <212> TYPE: DNA
254 <213> ORGANISM: Homo sapiens
256 <400> SEQUENCE: 6
257  gcgccctgag ctccgcctcc gggcccgata gcggcatcga gagcgcctcc 50
259  gtcgaggacc aggcggcgca gggggccggc gggcgaaagg aggatgaggg 100
261  ggcgcagcag ctgctgaccc tgcagaacca ggtggcgcgg ctggaggagg 150
263  agaaccgaga ctttctggct gcgctggagg acgccatgga gcagtacaaa 200
265  ctgcagagcg accggctgcg tgagcagcag gaggagatgg tggaactgcg 250
267  gctgcggtta gagctggtgc ggccaggctg ggggggcctg cggctcctga 300
269  atggcctgcc tcccgggtcc tttgtgcctc gacctcatac agcccccctg 350
271  gggggtgccc acgcccatgt gctgggcatg gtgccgcctg cctgcctccc 400
273  tggagatgaa gttggctctg agcagagggg agagcaggtg acaaatggca 450
275  gggaggctgg agctgagttg ctgactgagg tgaacaggct gggaagtggc 500
277  tcttcagctg cttcagagga ggaagaggag gaggaggagc cgcccaggcg 550
279  gaccttacac ctgcgcagaa ataggatcag caactgcagt cagagggcgg 600
281  gggcacgccc agggagtctg ccagagagga agggcccaga gctttgcctt 650
283  gaggagttgg atgcagccat tccagggtcc agagcagttg gtgggagcaa 700
285  ggcccgagtt caggcccgcc aggtccccc tgccacagcc tcagagtggc 750
287  ggctggccca ggcccagcag aagatccggg agctggctat caacatccgc 800
289  atgaaggagg agcttattgg cgagctggtc cgcacaggaa aggcagctca 850
291  ggccctgaac cgccagcaca gccagcgtat ccgggagctg gagcaggagg 900
293  cagagcaggt gcgggccgag ctgagtgaag gccagaggca gctgcgggag 950
295  ctcgagggca aggagctcca ggatgctggc gagcggtctc ggctccagga 1000
```

```
297  gttccgcagg  agggtcgctg  cggcccagag  ccaggtgcag  gtgctgaagg  1050
299  agaagaagca  ggctacggag  cggctggtgt  cactgtcggc  ccagagtgag  1100
301  aagcgactgc  aggagctcga  gcggaacgtg  cagctcatgc  ggcagcagca  1150
303  gggacagctg  cagaggcggc  ttcgcgagga  gacggagcag  aagcggcgcc  1200
305  tggaggcaga  aatgagcaag  cggcagcacc  gcgtcaagga  gctggagctg  1250
307  aagcatgagc  aacagcagaa  gatcctgaag  attaagacgg  aagagatcgc  1300
309  ggccttccag  aggaagaggc  gcagtggcag  caacggctct  gtggtcagcc  1350
311  tggaacagca  gcagaagatt  gaggagcaga  agaagtggct  ggaccaggag  1400
313  atggagaagg  tgctacagca  gcggcgggcg  ctggaggagc  tggggggagga  1450
315  gctccacaag  cgggaggcca  tcctggccaa  gaaggaggcc  ctgatgcagg  1500
317  agaagacggg  gctggagagc  aagcgcctga  gatccagcca  ggccctcaac  1550
319  gaggacatcg  tgcgagtgtc  cagccggctg  gagcacctgg  agaaggagct  1600
321  gtccgagaag  agcgggcagc  tgcggcaggg  cagcgcccag  agccagcagc  1650
323  agatccgcgg  ggagatcgac  agcctgcgcc  aggagaagga  ctcgctgctc  1700
325  aagcagcgcc  tggagatcga  cggcaagctg  aggcagggga  gtctgctgtc  1750
327  ccccgaggag  gagcggacgc  tgttccagtt  ggatgaggcc  atcgaggccc  1800
329  tggatgctgc  cattgagtat  aagaatgagg  ccatcacatg  ccgccagcgg  1850
331  gtgcttcggg  cctcagcctc  gttgctgtcc  cagtgcgaga  tgaacctcat  1900
333  ggccaagctc  agctacctct  catcctcaga  gaccagagcc  ctcctctgca  1950
335  agtattttga  caaggtggtg  acgctccgag  aggagcagca  ccagcagcag  2000
337  attgccttct  cggaactgga  gatgcagctg  gaggagcagc  agaggctggt  2050
339  gtactggctg  gaggtggccc  tggagcggca  gcgcctggag  atggaccgcc  2100
341  agctgaccct  gcagcagaag  gagcacgagc  agaacatgca  gctgctcctg  2150
343  cagcagagtc  gagaccacct  cggtgaaggg  ttagcagaca  gcaggaggca  2200
345  gtatgaggcc  cggattcaag  ctctggagaa  ggaactgggc  cgttacatgt  2250
347  ggataaacca  ggaactgaaa  cagaagctcg  gcggtgtgaa  cgctgtaggc  2300
349  cacagcaggg  gtggggagaa  gaggagcctg  tgctcggagg  gcagacaggc  2350
351  tcctggaaat  gaagatgagc  tccacctggc  acccgagctt  ctctggctgt  2400
353  ccccccctcac  tgaggggggcc  ccccgcaccc  gggaggagac  gcgggacttg  2450
355  gtccacgctc  cgttacccttt  gacctggaaa  cgctcgagcc  tgtgtggtga  2500
357  ggagcagggg  tcccccgagg  aactgaggca  gcgggaggcg  gctgagcccc  2550
359  tggtgggggcg  ggtgcttcct  gtgggtgagg  caggcctgcc  ctggaactttt  2600
361  gggcctttgt  ccaagccccg  gcgggaactg  cgacgagcca  gcccgggggat  2650
363  gattgatgtc  cggaaaaacc  ccctgtaagc  cctcggggca  gaccctgcct  2700
365  tggagggaga  ctccgagcct  gctgaaaggg  gcagctgcct  gttttgcttc  2750
367  tgtgaaggggc  agtccttacc  gcacacccta  aatccaggcc  ctcatctgta  2800
369  ccctcactgg  gatcaacaaa  tttgggccat  ggcccaaaag  aactggaccc  2850
371  tcatttaaca  aaataatatg  caaattccca  ccacttactt  ccatgaagct  2900
373  gtggtacccca  attgccgcct  tgtgtcttgc  tcgaatctca  ggacaattct  2950
375  ggtttcaggc  gtaaatggat  gtgcttgtag  ttcaggggtt  tggccaagaa  3000
377  tcatcacgaa  agggtcggtg  gcaaccaggt  tgtggtttaa  atggtcttat  3050
379  gtatataggg  gaaactggga  gactttagga  tcttaaaaaa  ccatttaata  3100
381  aaaaaaaatc  tttgaaggga  c 3121
383  <210> SEQ ID NO: 7
384  <211> LENGTH: 830
385  <212> TYPE: PRT
386  <213> ORGANISM: Homo sapiens
388  <400> SEQUENCE: 7
389  Met Glu Gln Tyr Lys Leu Gln Ser Asp Arg Leu Arg Glu Gln Gln
```

**VERIFICATION SUMMARY**
DATE: 01/17/2002
PATENT APPLICATION: US/10/032,990
TIME: 15:34:32

Input Set : A:\Seq_Listing_-_P2930R1C11.wpd
Output Set: N:\CRF3\01172002\J032990.raw

```
L:22 M:270 C: Current Application Number differs, Replaced Current Application No
L:22 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:77 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD
L:92 M:280 W: Numeric Identifier already exists, <140> found multiple times
L:92 M:281 W: Numeric Fields not Ordered, <140> not ordered!.
L:92 M:270 C: Current Application Number differs, Replaced Current Application Number
L:93 M:281 W: Numeric Fields not Ordered, <141> not ordered!.
L:93 M:271 C: Current Filing Date differs, Replaced Current Filing Date
```